

STIC Search Report

STIC Database Tracking Mountain

TO: Nita M Minnifield

Location: rem/3c01/3c18

Art Unit: 1645

Friday, April 08, 2005

Case Serial Number: 10/613749

From: Deirdre Arnold

Location: Biotech-Chem Library

REM 1A64

Phone: 571-272-2532

Deirdre.Arnold@uspto.gov

Search Notes

RUSH

Please feel free to contact me if you have any questions or would like to amend the search.

Thank you for using STIC services.

Regards, Deirdre Arnold



From:

Chan, Christina

Sent: To: Subject: Wednesday, April 06, 2005 12:02 PM Minnifield, Nita; STIC-Biotech/ChemLib

RE: sequence search request

Please rush. Thanks!! Chris

Chris Chan TC 1600 New Hire Training Coordinator and SPE 1644 (571)-272-0841 Remsen, 3E89

----Original Message----From:

Minnifield, Nita

Sent:

Tuesday, April 05, 2005 1:50 PM

To:

Chan, Christina

Subject:

sequence search request

Christina, please approve, 2 month amdt.

STIC

10/613749

Please do an commercial and interference sequence search on SEQ ID NO: 1 of the above application.

Please provide a paper copy of the results.

Thanks, Minnifield 71976 Art Unit 1645

STAFF USE ONLY

Searcher: Arm Searcher Phone: 2-

Date Completed:

Searcher Prep/Rev. Time Online Time:

Type of Search

Interference: _Oligomer:_ Encode/Transl:_

Structure#: Text: Inventor:____ Litigation:

Vendors and cost where applicable STN:

DIALOG: QUESTEL/ORBIT: LEXIS/NEXIS:

SEQUENCE SYSTEM: WWW/Internet:_ Other(Specify):_

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| | FEATURES source | | TITLE JOURNAL COMMENT | REFERENCE AUTHORS | ACCESSION VERSION KEYWORDS SOURCE ORGANISM | RESULT 1 CO902262 LOCUS DEFINITION |
|--|---|---|---|--|---|---|
| /organism="maius x domestica" //oll_type="manna" //db_xref="taxon:3750" //clone="Mdfrt3057k02" /lab_host="DH10B ampicillin resistant" /lab_host="DH10B ampicillin resistant" /clone_lib="Mdfrt" /clone="Mdfrt3057k02" /clone="Mdfrt3057k02" /clone="Mdfrt3057k02" /clone="Mdfrt3057k02" /clone="Mdfrt3057k02" /clone="Mdfrt3057k02" /clone="Mdfrt3057k02" /clone="Mdfrt3057k02" /clone="Mdfrt3057k02" /clone_lib="Mdfrt3057k02" /clone_lib="Mdfrt3 | WashU EST name: aaj94£01.yl Seq primer: -40UF from Gibco. Location/Qualifiers 1. 330 1. 330 | Washington University School of Medicine 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108, USA Tel: 314 286 1800 Fax: 314 286 1810 Email: est@watson.wustl.edu Library materials provided by: Schuyler S. Korban Library constructed by: K. Gasic Library sequenced by: Washington University Genome Sequencing Center | Clifton, P., Pape, D., Marra, M., Hillier, L., Martin, J., Wylle, T., Dante, M., Theising, B., Bowers, Y., Gibbons, M., Ritter, B., Ronko, I., Tasgareishvili, R., Kennedy, S., Waterston, R. and Wilson, R. Apple Functional Genomics grant - NSF 0321702 Unpublished (2004) Contact: Schuyler S. Korban Apple Functional Genomics grant - NSF 0321702 | Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; rosids; eurosids I; Rosales; Rosaceae; Maloideae; Malus. 1 (bases 1 to 330) | C0902262.1 GI:51292565 EST. Malus x domestica (cultivated apple) Malus x domestica (cultivated apple) | CO902262 Mdfrt3057k02.yl Mdfrt Malus x domestica cDNA clone Mdfrt3057k02 5', |

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; TYPE: DNA
; ORANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Oligodeoxynucleotide
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Sequence 148, Application US/10816220 Publication No. US20040235770A1 GENERAL INFORMATION:
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SOFTWARE: Patentin version 3.2
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TITLE OF INVENTION: NUCLEIC ACID COMPOSITIONS
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XX 03-JUL-2002; 03-JUL-2002; 03-JUL-2002; 03-JUL-2002; 03-JUL-2002; 03-JUL-2002; ds; immunostimulatory; antibacterial; antiallergic; antiasthmatic; cytostatic; virucide; fungicide; antiparasitic; interleukin antagonist; gene therapy; infectious disease; allergy; asthma; cancer. Krieg AM; Unidentified. 03-JUL-2003; 2003WO-US021113 WO2004005476-A2 22-APR-2004 (first entry) ADI16070; ADI16070 standard; DNA; 24 BP. 15-JAN-2004. Immunostimulatory oligodeoxymucleotide ODN 10102 SEQ ID NO:1. (COLE-) COLEY PHARM GROUP INC ; 2002US-0393880P. ; 2002US-0394090P. ; 2002US-0394091P. ; 2002US-0394164P. ; 2002US-0394193P.

New immunostimulatory nucleic acid molecule composition comprising CpG motifs, useful for diagnosing, preventing and/or treating infectious diseases, allergies, asthma and cancers.

Claim 1; SEQ ID NO 1; 257pp; English.

WPI; 2004-091353/09.

The invention relates to a novel composition comprising an immunostimulatory nucleic acid molecule. A composition of the invention has antibacterial, antiallergic, antiasthmatic, cytostatic, virucide,

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1 TCGTCGTTTCGTCGTTTCGTCGTT 24 Olek,A., Plepenbrock,C. and Berlin,K. Diagnosis of diseases associated with dna transcription Patent: WO 0192555-A 244 06-DEC-2001; Epigenomics AG (DE)_ AX323756 6167 bp Sequence 244 from Patent WO0192565. AX323756 synthetic construct synthetic construct AX323756.1 GI:18094504 ther sequences; artificial sequences TCGTCGTTTCGTCGTTCGTCGTT 783 · Conservative Location/Qualifiers /organism="synthetic construct" /mol_type="unassigned DNA" /db_xref="taxon:32630" /noTe="chemically treated genomic DNA (Homo sapiens)" 100.0%; Score 24; DB 6; 100.0%; Pred. No. 2.7; tive 0; Mismatches 0 DNA 0; Length 6167; Indels linear PAT 07-JAN-2002 <u>.</u> Gaps 0

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RESULT 2 US-09-286-098-90

Sequence 90, Application US/09286098 Patent No. 6218371 GENERAL INFORMATION:

APPLICANT: Krieg, Arthur M.
APPLICANT: Weiner, George
TITLE OP INVENTION: Methods and Products for Stimulating the
TITLE OP INVENTION: Immune System Using Immunotherapeutic Oligonucleotides and
TITLE OP INVENTION: Cytokines
FILE REPERENCE: C1039/7026/HCL
CURRENT APPLICATION NUMBER: US/09/286,098
CURRENT FILING DATE: 1999-04-02
EARLIER APPLICATION NUMBER: US/0/080,729
EARLIER FILING DATE: 1998-04-03

NUMBER OF SEQ ID NOS: 105

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| atch cal s 22 1 | TITLE OF INVENTION: USB- TITLE OF INVENTION: UNME- TITLE OF INVENTION: LUMB- TITLE OF INVENTION: LUMB- TITLE OF INVENTION: LUMB- TITLE OF INVENTION: C1039/70 CURRENT FILING DATE: 1997- RIOR APPLICATION NUMBER: 1997- RIOR FILING DATE: 1997- RIOR FILING DATE: 1997- NUMBER OF SEQ ID NOS: 65 SOFTWARE: FASTSEQ for Wi ENCTH: 24 TYPE: DNA ORGANISM: ATTIFICIAL SEG FEATURE: OTHER INFORMATION: SYNTH | 701- 0. 6, NT: | 116.6.6.6.6.6.6.6.6.6.6.6.6.6.6.6.6.6.6 |
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| 86. larity 91. Conservative Triggranger Triggranger | F INVENTION: USE OF NUCL FOR INVENTION: USE OF NUCL FOR INVESTIGATE OF NUCL THREATH ON LES ASSOCIA APPLICATION NUMBER: US/O FILING DATE: 1998-02-25 PLICATION NUMBER: 60/03 PLICATION PL | ion US/0 Arthur M | 591 594 594 594 594 751 1167 1167 11167 11167 11167 11167 11169 1149 11499 11499 11499 11499 11499 11499 11499 11499 11499 11499 114 |
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